COMPLETE ALL PROBLEMS IN NOTEBOOK. FAILURE TO DO SO WILL RESULT IN A LASALLE.

CWHW#94H: Factoring Polynomials

Geometry

Due: Friday, May 26th

|  |  |
| --- | --- |
| 1. What is the factored form of ?    1. Step 1:    2. Step 2:    3. Step 3: | |
| 1. Factor: | |
| 1. Factor: | 1. Factor: |
| 1. Factor: | 1. Factor: |
| Some trinomials have a negative coefficient of *x* (*b < 0)* and a positive constant term (*c > 0)*. In this case, you must examine the negative factors of *c* to find the factors of the trinomial. | |
| 1. What is the factored form of ?    1. Step 1:    2. Step 2:    3. Step 3: | |
| 1. Factor: | |
| 1. Factor: | |
| 1. Factor: | 1. Factor: |
| 1. Factor: | 1. Factor: |
| Some trinomials have a negative constant term (*c < 0)*. In this case, you must examine the positive AND negative factors of *c* to find the factors of the trinomial. | |
| 1. Factor: | 1. Factor: |
| 1. Factor: | 1. Factor: |
| 1. Factor: | 1. Factor: |
| 1. The area of a rectangular rug is given by the trinomial . What are the possible dimensions of the rug? Use factoring. | |
| 1. Suppose you can factor as .    1. Explain what you know about .    2. Explain what you know about . | |
| 1. A rectangular skateboard park has an area of . What are the possible dimensions of the park? Use factoring.. | |

Exit Ticket

|  |  |
| --- | --- |
| 1. Find two numbers whose sum is equal to 11 but multiply to 18. | 2. Find two numbers whose sum is equal to -25 but multiply to 100. |
| 3. Factor: | 3. Factor: |

Exit Ticket

|  |  |
| --- | --- |
| 1. Find two numbers whose sum is equal to 11 but multiply to 18. | 2. Find two numbers whose sum is equal to -25 but multiply to 100. |
| 3. Factor: | 3. Factor: |